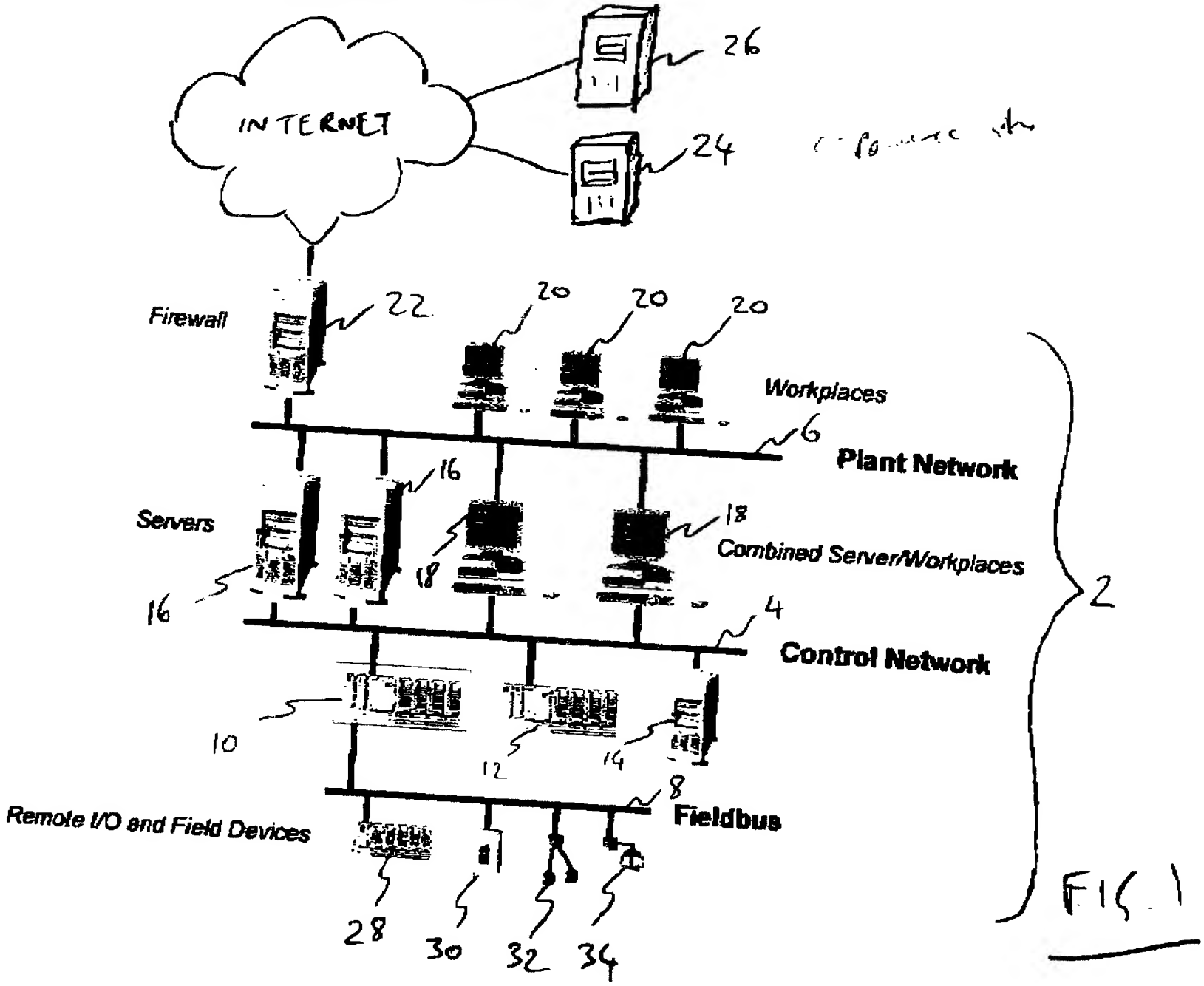
INTERNET
26
24
Firewall
22
20
20
20
Workplaces
6
Plant Network
16
Servers
16
18
18
Combined Server/Workplaces
4
Control Network
10
12
14
8
Fieldbus
Remote I/O and Field Devices
28
30
32
34
2

FIG. 1

DOCUMENT CONTROLLED

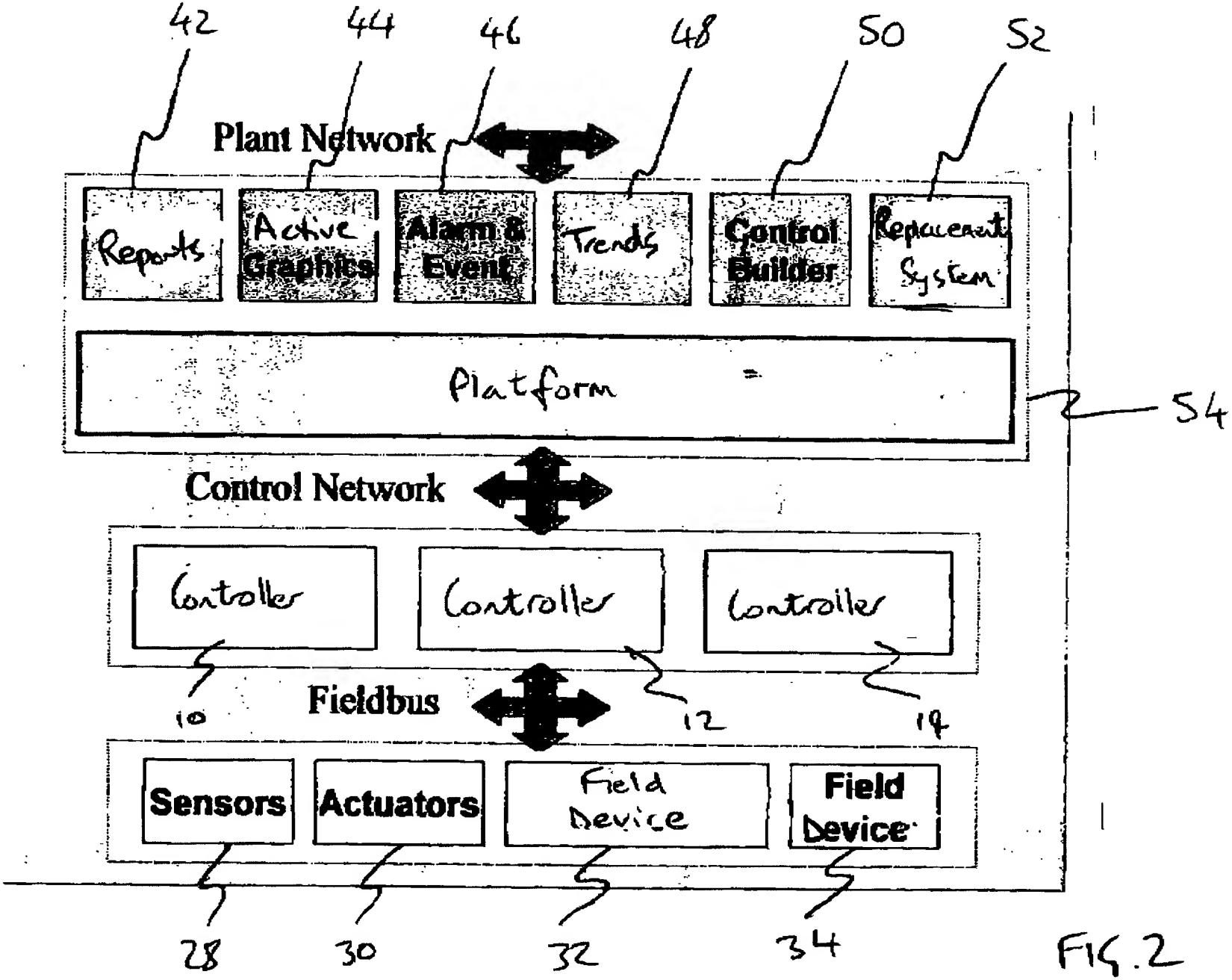

FIG. 2

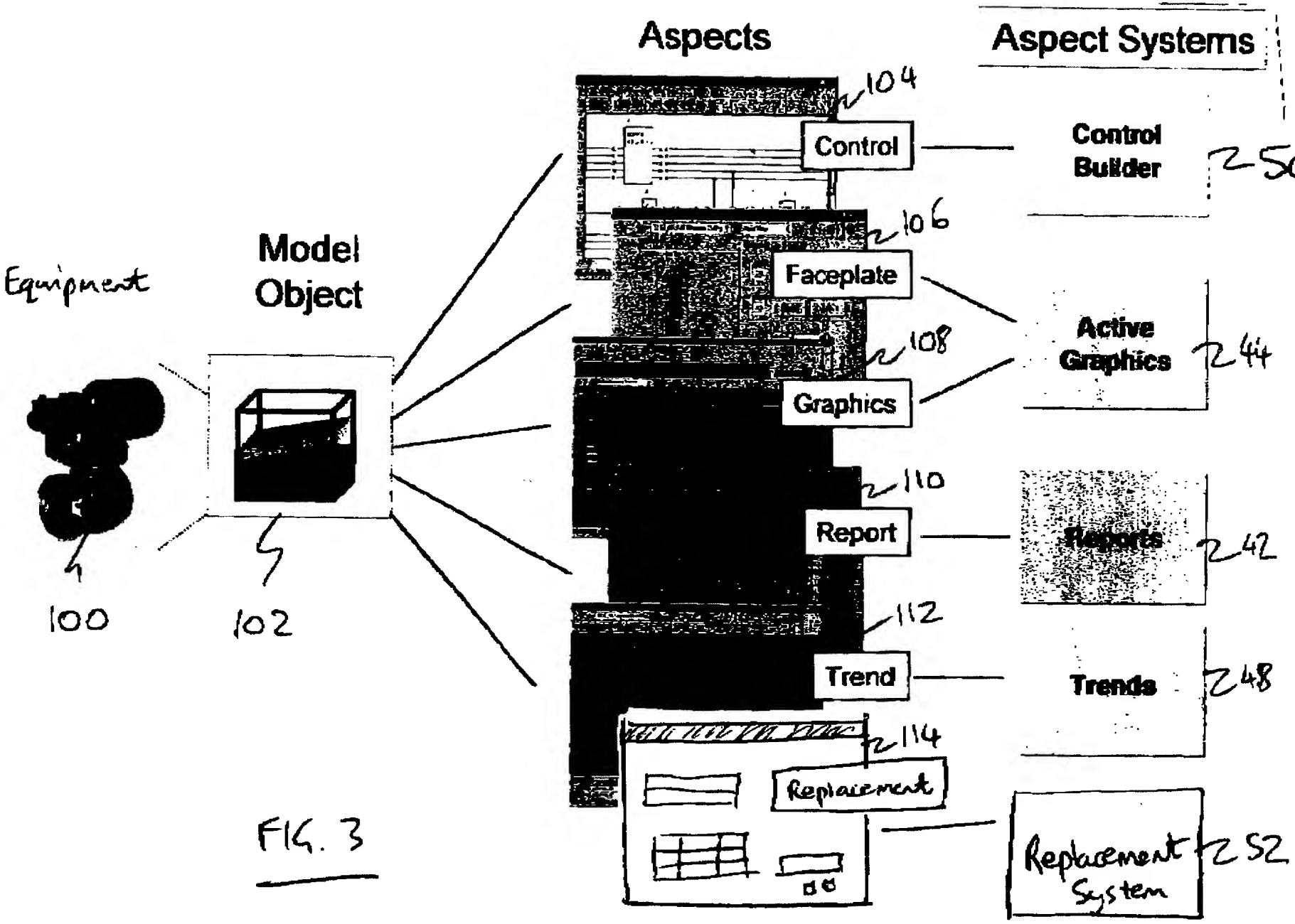
Aspects
Aspect Systems
Equipment
Model Object
100
102
104
Control
106
Faceplate
108
Graphics
110
Report
112
Trend
114
Replacement
Control Builder
250
Active Graphics
244
Reports
242
Trends
248
Replacement System
252

FIG. 3

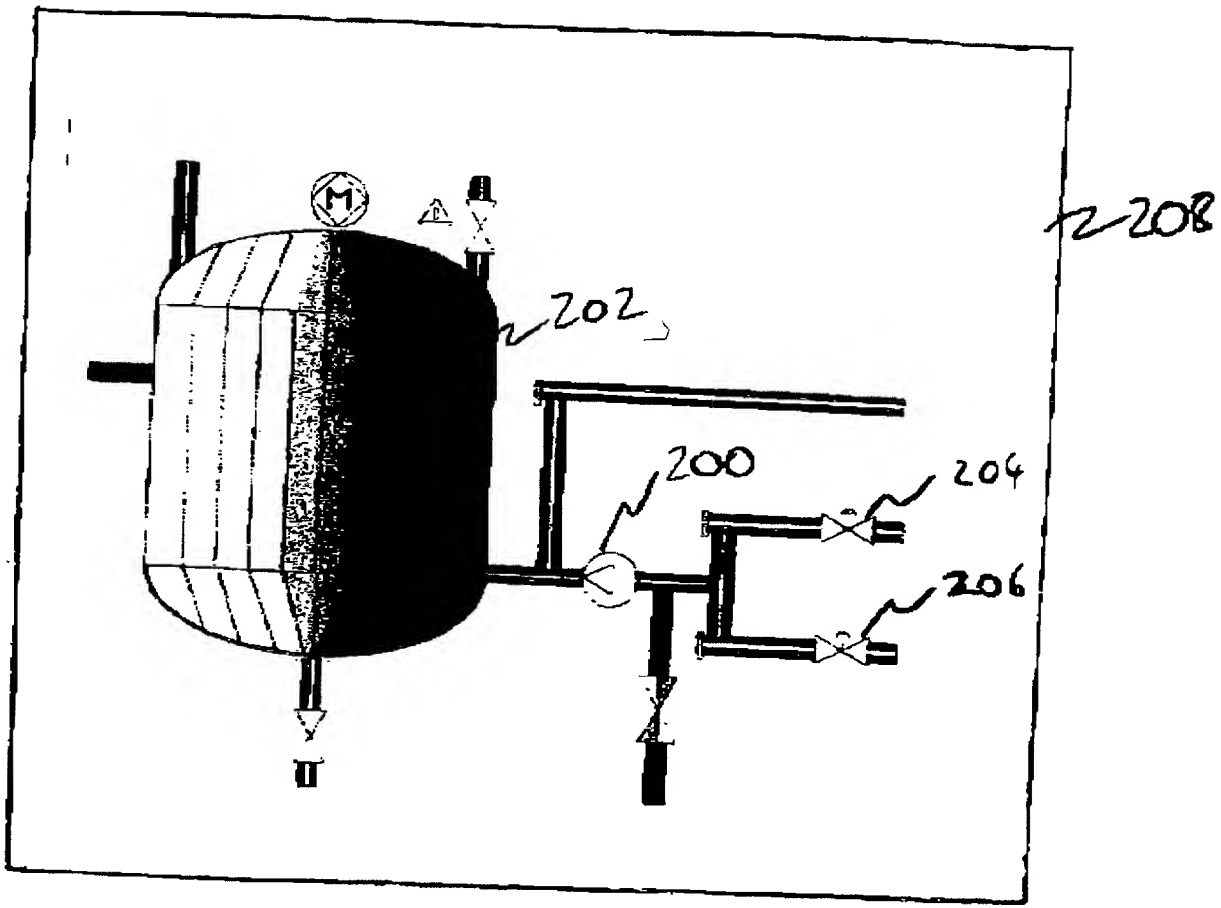

FIG 4

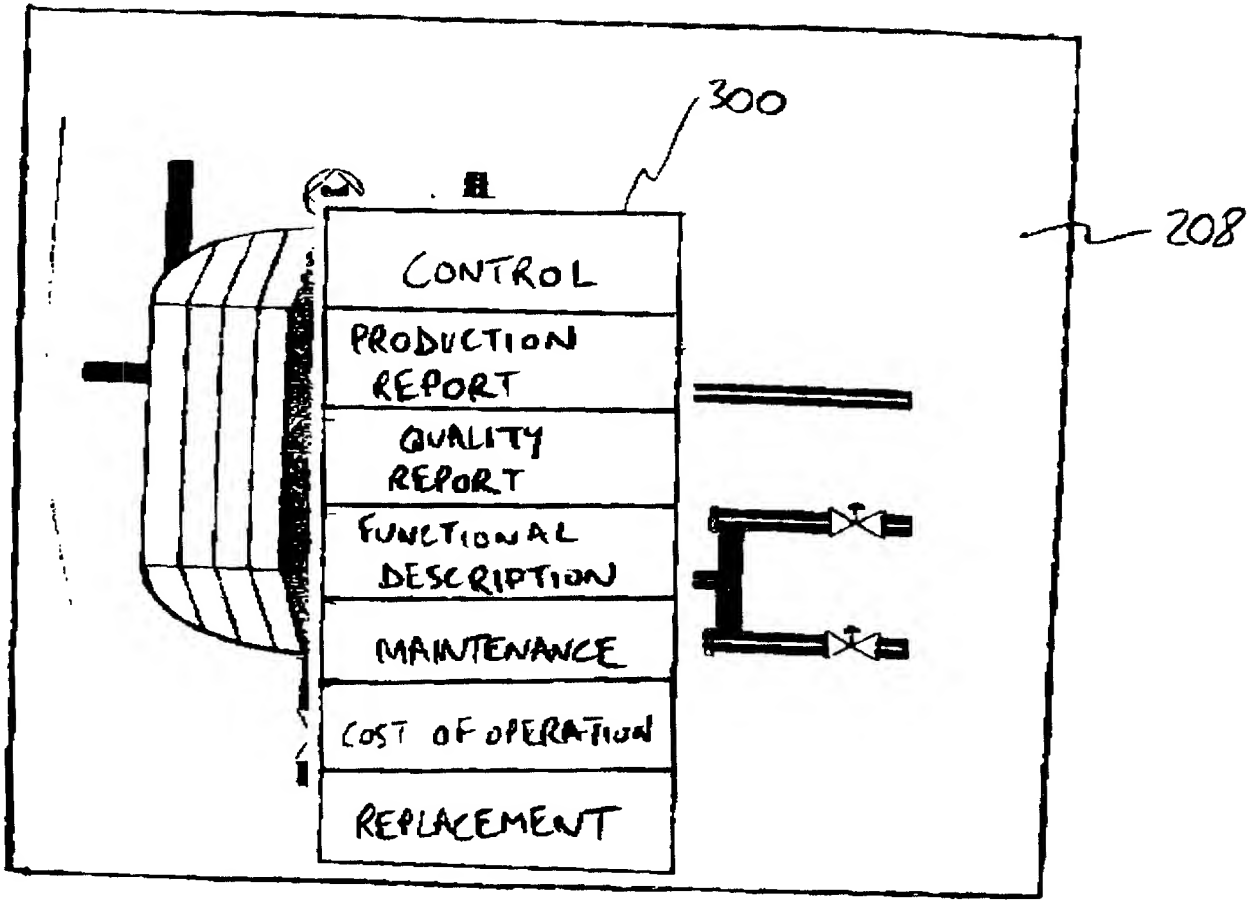
300
208
CONTROL
PRODUCTION REPORT
QUALITY REPORT
FUNCTIONAL DESCRIPTION
MAINTENANCE
COST OF OPERATION
REPLACEMENT

FIG. 5

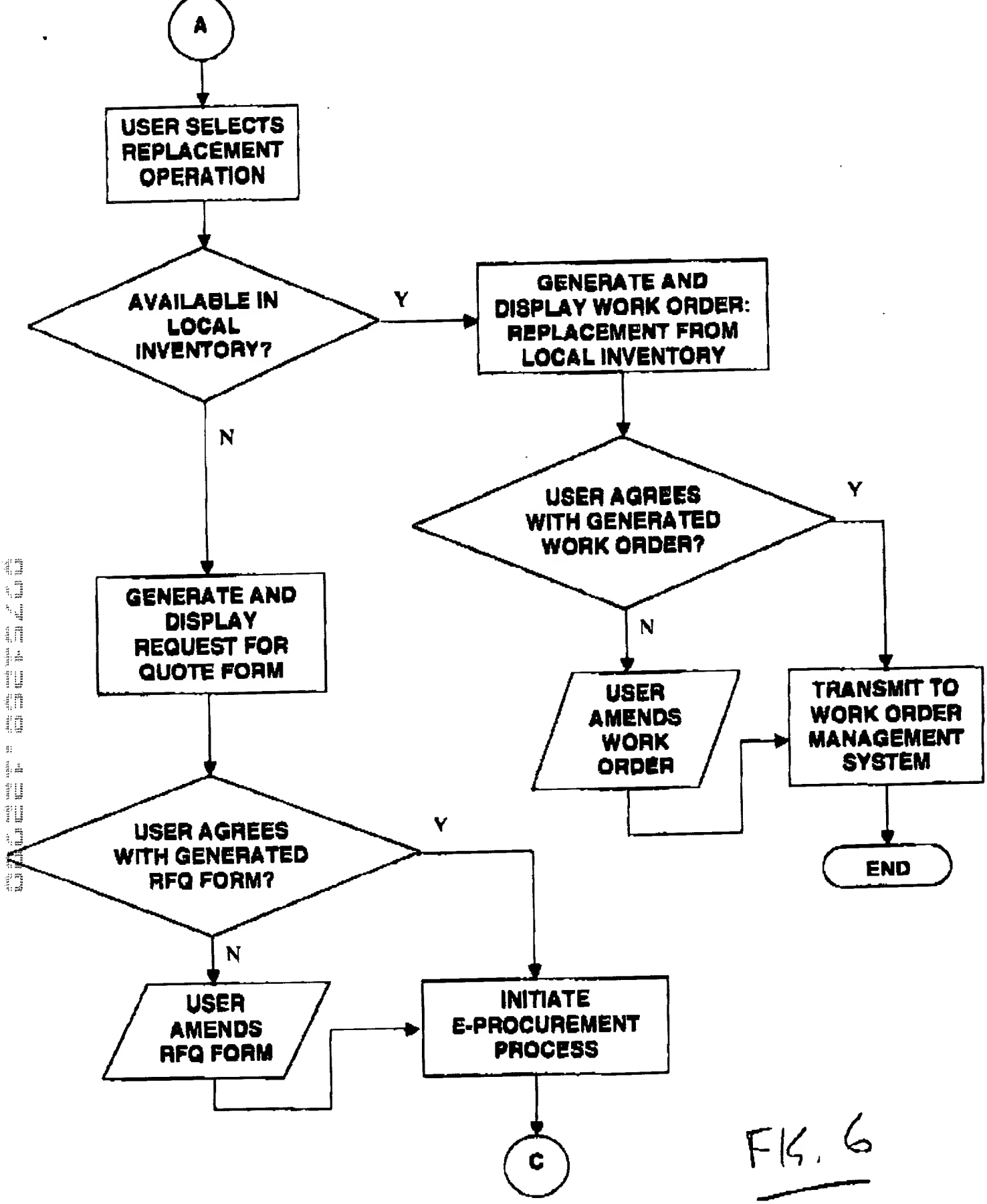
A
USER SELECTS REPLACEMENT OPERATION
AVAILABLE IN LOCAL INVENTORY?
Y
N
GENERATE AND DISPLAY WORK ORDER: REPLACEMENT FROM LOCAL INVENTORY
USER AGREES WITH GENERATED WORK ORDER?
Y
N
USER AMENDS WORK ORDER
TRANSMIT TO WORK ORDER MANAGEMENT SYSTEM
END
GENERATE AND DISPLAY REQUEST FOR QUOTE FORM
USER AGREES WITH GENERATED RFQ FORM?
Y
N
USER AMENDS RFQ FORM
INITIATE E-PROCUREMENT PROCESS
C

FIG. 6

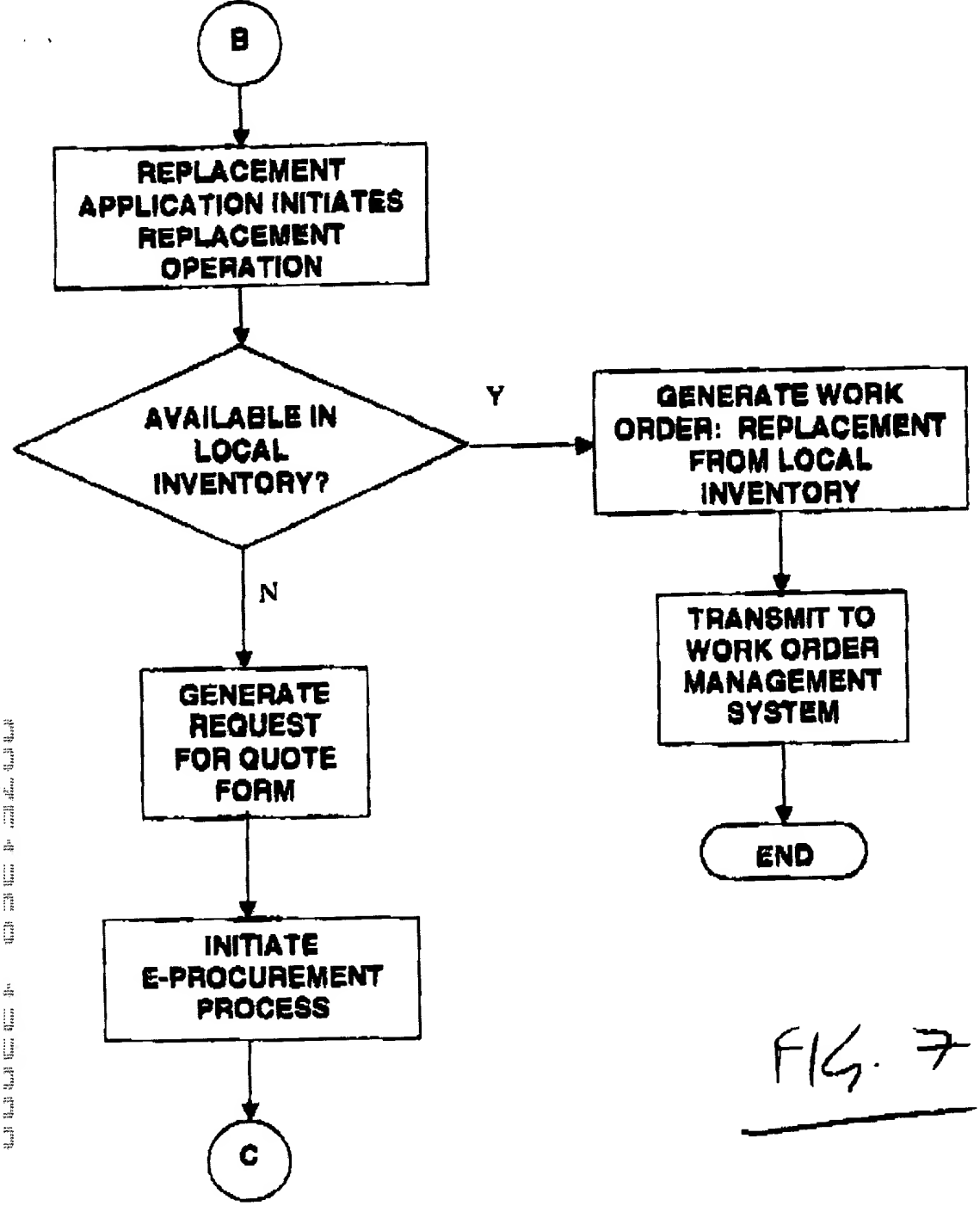
B
REPLACEMENT APPLICATION INITIATES REPLACEMENT OPERATION
AVAILABLE IN LOCAL INVENTORY?
Y
N
GENERATE WORK ORDER: REPLACEMENT FROM LOCAL INVENTORY
TRANSMIT TO WORK ORDER MANAGEMENT SYSTEM
END
GENERATE REQUEST FOR QUOTE FORM
INITIATE E-PROCUREMENT PROCESS
C

FIG. 7